



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PROCEEDINGS
OF THE
ACADEMY OF NATURAL SCIENCES
OF
PHILADELPHIA.

1888.

COMMITTEE OF PUBLICATION:
JOSEPH LEIDY, M. D., GEO. H. HORN, M. D.,
EDW. J. NOLAN, M. D., THOMAS MEEHAN,
JOHN H. REDFIELD.

EDITOR: EDWARD J. NOLAN, M. D.

PHILADELPHIA:
ACADEMY OF NATURAL SCIENCES,
LOGAN SQUARE,
1889.

ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA,
February 6, 1888.

I hereby certify that copies of the Proceedings for 1888 have been presented at the meetings of the Academy as follows:—

Pages	9 to 40	.	.	.	.	April	10, 1888.
"	41 to 72	.	.	.	.	April	24, 1888.
"	73 to 104	.	.	.	.	May	1, 1888.
"	105 to 136	.	.	.	.	May	8, 1888.
"	137 to 152	.	.	.	.	May	22, 1888.
"	153 to 168	.	.	.	.	June	26, 1888.
"	169 to 200	.	.	.	.	August	7, 1888.
"	201 to 216	.	.	.	.	August	28, 1888.
"	217 to 248	.	.	.	.	September	25, 1888.
"	249 to 272	.	.	.	.	October	23, 1888.
"	273 to 304	.	.	.	.	December	11, 1888.
"	305 to 336	.	.	.	.	December	18, 1888.
"	337 to 368	.	.	.	.	January	8, 1889.
"	369 to 400	.	.	.	.	January	15, 1889.
"	401 to 416	.	.	.	.	January	27, 1889.
"	417 to 432	.	.	.	.	February	12, 1889.
"	433 to 464	.	.	.	.	February	19, 1889.

EDWARD J. NOLAN,
Recording Secretary.

LIST OF CONTRIBUTORS.

With reference to the several articles contributed by each.

For Verbal Communications see General Index.

	PAGE.
Allen, Harrison, M. D. The distribution of the color-marks of the Mammalia.	84
The palatal rugae in Man.....	254
Chapman, Henry C., M. D. Observations on the female generative apparatus of <i>Hyæna crocuta</i> . (Plates X, XI.).....	189
Chapman, Henry C., M. D. and Albert P. Brubaker M. D. Researches upon the general physiology of nerve and muscle. No. 1.....	106
Researches upon the general physiology of nerve and muscle. No. 2....	155
Fielde, Adele M. Notes on an aquatic insect, or insect-larva, having jointed dorsal appendages. (Plate VIII.).....	129
Ford, John. Description of a new species of <i>Ocinebra</i>	188
Hartman, Wm. D., M. D. A bibliographic and synonymic catalogue of the Genus <i>Auriculella</i> Pfr.....	14
A bibliographic and synonymic catalogue of the Genus <i>Achatinella</i> , (Plate I.).....	16
New species of shells from the New Hebrides and Sandwich Islands, (Plate XIII.).....	250
Heilprin, Angelo. Contributions to the natural history of the Bermuda Is- lands. (Plates XIV, XV, XVI.).....	302
Ives, J. E. On two new species of Starfishes.....	421
Jordan, David Starr. Description of a new species of <i>Etheostoma</i> (<i>E. longi-</i> <i>mana</i>) from James River, Virginia.....	179
On the generic name of the Tunny.....	180
Kelley, Edwin A. Notes on the Myology of <i>Ursus maritimus</i>	141
Keyes, Charles R. On the fauna of the lower coal measures.....	222
Descriptions of two new fossils from the Devonian of Iowa. (Plate XII.).....	247
Leidy, Jos., M. D. Distinctive characters of <i>Odontaspis littoralis</i>	162
Parasitic Crustacea.....	165
Meehan, Thomas. Contributions to the life-histories of plants, No. II. Some new facts in the life history of <i>Yucca</i> . A study of the <i>Hydrangea</i> in relation to cross-fertilization. On the forms of <i>Lonicera japonica</i> ; with notes on the origin of the forms.....	274

Contributions to the life-histories of plants, No. III. <i>Smilacina bifolia</i> . Dichogamy and its significance. <i>Trientalis Americana</i> . On the glands in some Caryophyllaceous flowers.....	391
McCook, Rev. Henry C., D. D. Descriptive notes on new American species of Orb-weaving spiders.....	193
A new fossil spider, <i>Eoatypus Woodwardii</i>	200
Nesting habits of the new American Purseweb Spider.....	203
Ochsenius, Carl. On the formation of rock-salt beds and mother liquor salts.	181
Osborn, Henry Fairfield. Additional observations upon the structure and classification of the Mesozoic Mammalia.....	292
Pilsbry, Henry A. On the Helicoid land Mollusks of Bermuda. (Plate XVII.).....	285
Ringueberg, Eugene N. S., M. D. Some new species of fossils from the Niagara Shales of Western New York. (Plates VII.).....	131
Ruschenberger, W. S. W., M. D. Biographical notice of Geo. W. Tryon Jr. (With portrait.).....	399
Wachsmuth, Charles and Frank Springer. Discovery of the ventral structure of <i>Taxocrinus</i> and <i>Haplocrinus</i> and consequent modification in the classification of the Crinoidea. (Plate XVIII.).....	337
<i>Crotalocrinus</i> : its structure and zoological position. (Plates XIX, XX.)	364
Wright, Berlin Hart. Description of new species of <i>Uniones</i> from Florida. (Plates II, III, IV, V, VI.).....	113